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Cybersecurity Figure of Merit Cyber Readiness Assessment

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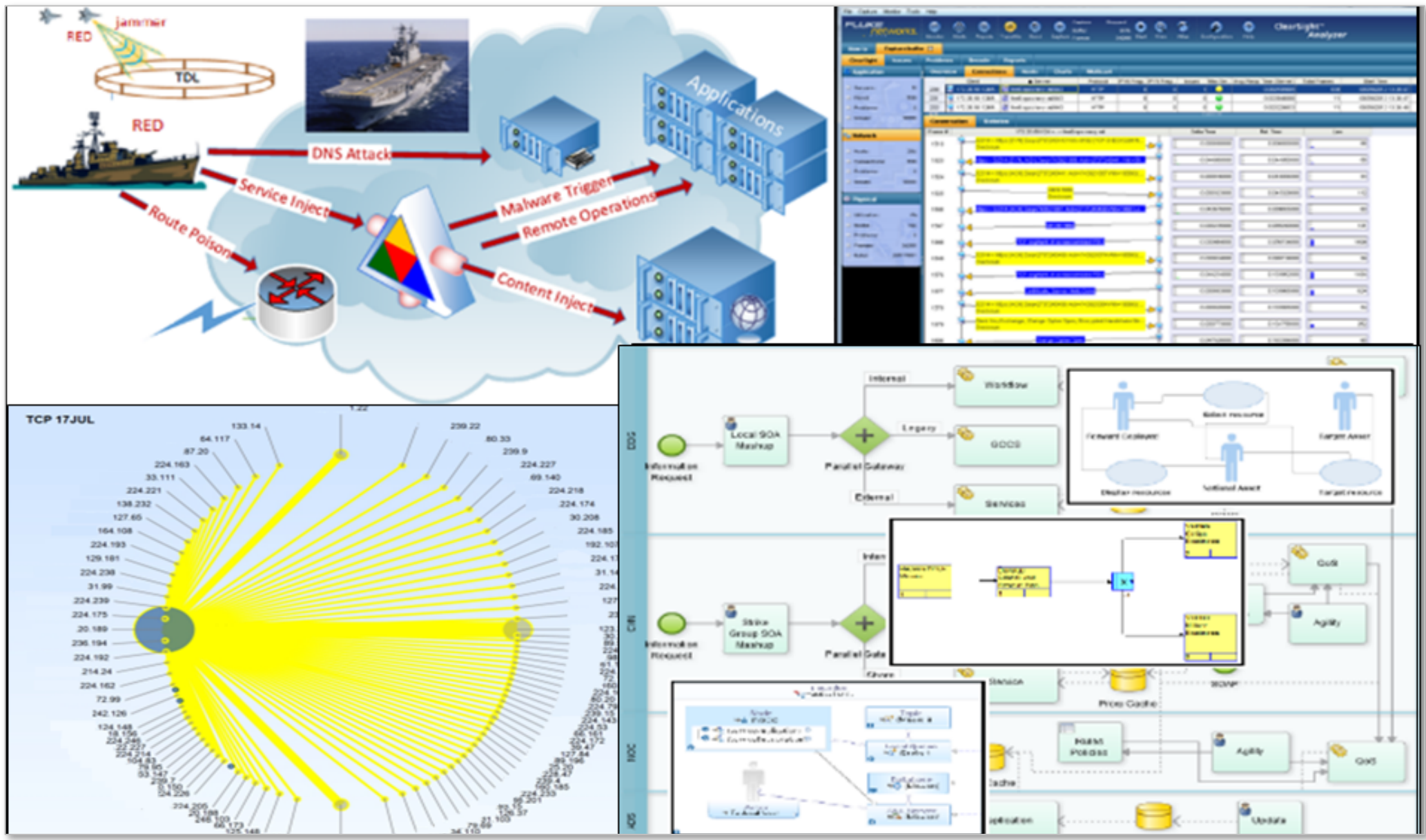
CYBERSECURITY FIGURE OF MERIT CYBER READINESS ASSESSMENT



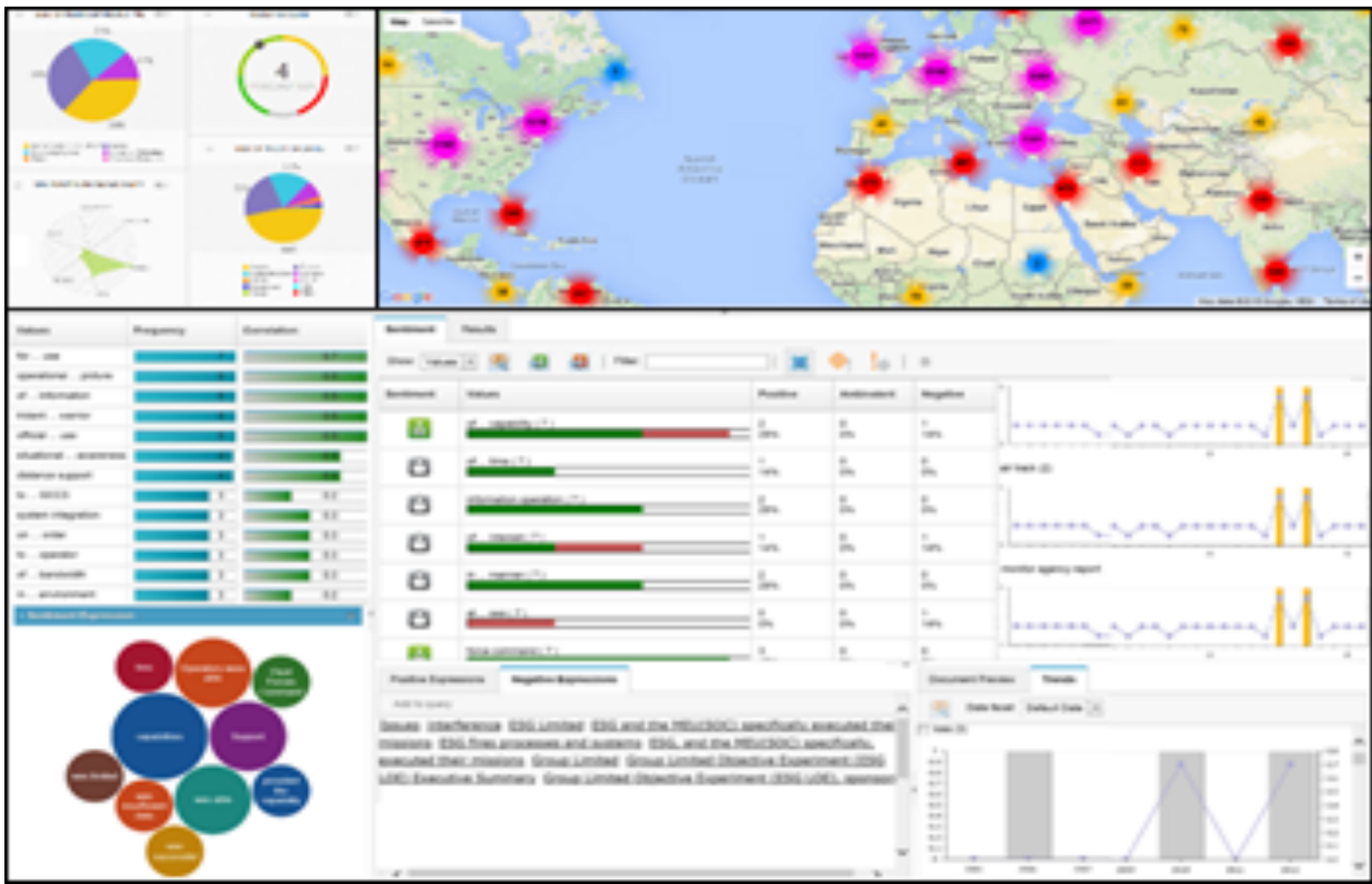
NAVAL
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Threat Modeling

- Cyber threat modeling integrates information systems into mission capabilities
- Process flows within systems and across networks are modeled and evaluated
- Cyber and electronic warfare tools and metrics are applied against mission models



SEA Cyber Threat Measurement



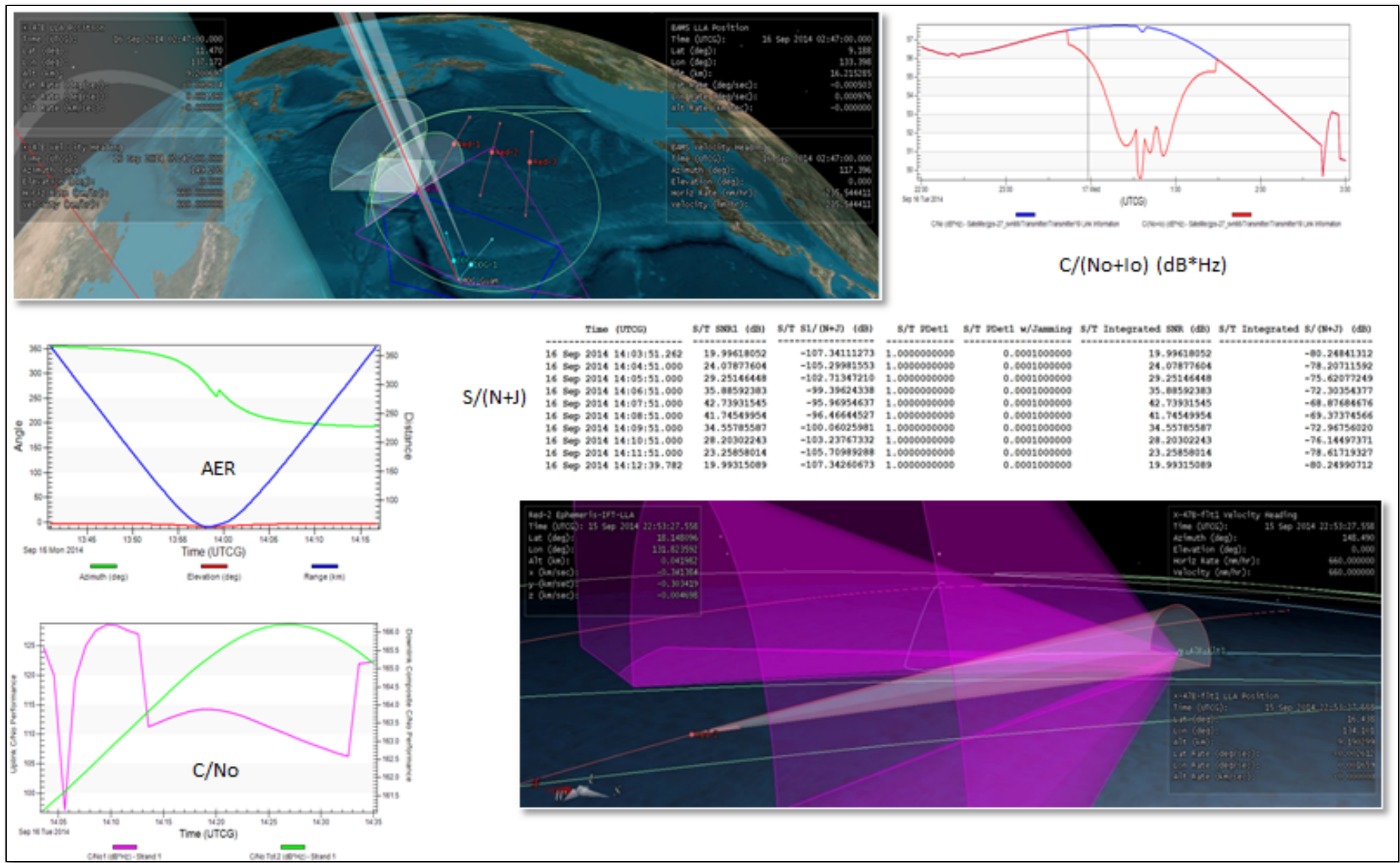
SEA Cyber Human-System Event Analytics

Threat Analytics

- Evaluate threats from cyber and advanced electronic attacks (AdvEA) in anti-access / area denial (A2AD) scenarios
- Perform systems and mission operational impact assessment, from capability analysis to predictive and cognitive analytics
- Apply techniques to assess variables that impact systems and human cyber readiness

Monitors, Sensors, Agents

- Model integrated communication, cyber, electronic attacks; measure and assess human and systems cyber effects
- Examine defensive operations and cyber countermeasures; evaluate industry best-of-breed cyber defense solutions
- Model human/system results from joint forces tactical exercises; architect mission-based defensive cyber operations



SEA Cyber Simulation, Emulation and Metrics

Systems Readiness Coefficient, Confidence

- Ship architecture is dynamic, cyberattacks automated and adaptive; multi-layered, probabilistic analysis techniques are required
- SEA CFOM generates quantitative measures for systems cyberattack readiness assessment, and confidence levels for those readiness coefficients



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Cybersecurity Figure Of Merit (CFOM)
Cyber Readiness Assessment